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Basic Electrical Engineering - Ramesh L Chakrasali 2010

Manufacturing Processes - H. N. Gupta 2012-09
Effective from 2008-09 session, U.P.T.U. has introduced the subject of manufacturing processes for first year engineering students of all streams. This textbook covers the entire course material in a

distilled form.

Basic Electrical Engineering - Mehta V.K. & Mehta Rohit 2008

For close to 30 years, Basic Electrical Engineering has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject. Divided into 17 chapters, the book covers all the major topics such as DC Circuits, Units of Work, Power and Energy, Magnetic Circuits, fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand.

Electrical Engineering Theory (3 Rd Edition) - K. Mehta 2010-01-01

BASIC ELECTRICAL AND ELECTRONICS ENGINEERING - Dr. K. A. Navas 2011-08-01

The book is written per the syllabus of first year engineering degree course for various universities. It covers basic topics of electrical and electronics engineering. It also includes worked out examples, University examination questions and answers, exercise, etc in every chapter. This book is suitable for course in basic electrical engineering under various Universities. Authors have tried to elucidate the topics in such a way that even a mediocre student can assimilate them. Many solved problems, sample question papers and exercise given in every section will provide a thorough understanding of the topics. Other features include attractive writing style, well structured equations and numerical examples, pictures of high clarity, etc. This book is one of the prescribed text books for the syllabus of Kerala University B. Sc Electronics course.

Non-Conventional Energy Resources (For UPTU & UTU) - Navani J.P. & Sapra Sonal 2015

This book entitled " Non

Conventional Energy Resources " has been written for B.E /B.Tech final year students of UPTU(Kucknow), MTU, GBTU and UTU(Dehradun). The book uses simple and lucid language to explain fundamentals of this subject.

Objective Electrical Technology - Rohit Mehta 2008

In the present edition,authors have made sincere efforts to make the book up-to-date.A noteable feature is the inclusion of two chapters on Power System.It is hoped that this edition will serve the readers in a more useful way.

Basic Electrical Engineering - V. N. Mittle 1990

Basic Electrical Engineering - Nagsarkar 2018-09-06

This third edition of Basic Electrical Engineering provides a lucid exposition of the principles of electrical engineering. The book provides an exhaustive coverage of topics such as network theory and analysis, magnetic circuits and energy conversion, ac and dc machines, basic analogue instruments, and power systems. The book also gives an introduction to illumination concepts.

ELEMENTS OF ELECTRICAL ENGINEERING - M. MARIA LOUIS 2014-01-01

There has been overwhelming response from the readers of this text. Based on their feedback and suggestions, this book has been enlarged and thoroughly revised in its Fifth Edition. Besides updating the sixteen chapters of the previous edition, it now incorporates ten new chapters dealing with synchronous machines, single/three phase motors, ac commutator motors and stepper motors. The present text, written in a lucid style, is the culmination of more than four decades of the author’s long experience in teaching of electrical engineering subjects, especially electrical machines at undergraduate and postgraduate levels. Key features • Easy to follow, understand and implement. • Includes about 440 worked-out examples. • Contains 721

MCQs (with answers) to help students measure their understanding and analysing skills and evaluate their knowledge. • Offers about 515 chapter-end exercises with answers to build problem solving skills and gain hands-on experience and self-confidence. • Includes many real-life examples to enable students to analyse and implement theoretical concepts in real-life situations. • Difficult concepts like commutation explained in great detail so as to make students grasp concept with clear understanding. The book is primarily designed for undergraduate and postgraduate students of Electrical and Electronics Engineering. Besides, the students of all other branches of engineering will find this text useful for their course study.

BASIC ELECTRICAL ENGINEERING - Dr. K. A. Navas 2016-08-01

This book is prepared as per the syllabus of VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Karnataka for first year B. Tech (Engineering) course using the reference books given in the course syllabus. Authors have tried to elucidate the topics such a way that even a mediocre student can assimilate them. Many solved problems, sample question papers and exercise given in every section will provide a thorough understanding of topics.

Basic Concepts of Electrical Engineering - P S Subramanyam 2016-09

An earnest attempt has been made in the book 'Basic Concepts of Electrical Engineering' to elucidate the principles and applications of Electrical Engineering and also its importance, so as to evince interest on the topics so that the student gets motivated to study the subject with interest.

Fundamentals of Electrical and Electronics Engineering | AICTE Prescribed Textbook - English - Susan S. Mathew 2021-11-01

Fundamentals of Electrical & Electronics Engineering" is a compulsory paper for the first year Diploma course in

Engineering & Technology Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome based education. Books covers six topics- Overview of Electronics Components and Signals. Overview of Analog Circuits. Overview of Digital Electronics, Electric and magnetic Circuits, A.C. Circuits and Transformer and Machines. Each topic is written is easy and lucid manner. A set of exercises at the end of each units to test the student's comprehension is provided. Some salient features of the book: l Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes. l The practical applications of the topics are discussed along with micro projects and activities for generating further curiosity as well as improving problem solving capacity. l Book provides lots of vital facts, concepts, principles and other interesting information. l QR Codes of video resources and websites to enhance use of ICT for relevant supportive knowledge have been provided. l Student and teacher centric course materials included in book in balanced manner. l Figures, tables, equations and comparative charts are inserted to improve clarity of the topics. l Objective questions and subjective questions are given for practices of students at the end of each unit. Solved and unsolved problems including numerical examples are solved with systematic steps

Intelligent Computing Techniques for Smart Energy Systems - Akhtar Kalam 2019-12-16

The book compiles the research works related to smart solutions concept in context to smart energy systems, maintaining electrical grid discipline and resiliency, computational collective intelligence consisted of interaction between smart devices, smart environments and smart interactions, as well as information technology support for such areas. It

includes high-quality papers presented in the International Conference on Intelligent Computing Techniques for Smart Energy Systems organized by Manipal University Jaipur. This book will motivate scholars to work in these areas. The book also prophesies their approach to be used for the business and the humanitarian technology development as research proposal to various government organizations for funding approval.

Basic Electrical Engineering - Sahdev SK 2015

Attuned to the needs of undergraduate students of engineering in their first year, Basic Electrical Engineering enables them to build a strong foundation in the subject. A large number of real-world examples illustrate the applications of complex theories. The book comprehensively covers all the areas taught in a one-semester course and serves as an ideal study material on the subject.

Basic Electricity - Van Valkenburgh, Nooger & Neville 1954

IETE Technical Review - 1992

Position Sensors - David S. Nyce 2016-05-20

A resource on position sensor technology, including background, operational theory, design and applications This book explains the theory and applications of the technologies used in the measurement of linear and angular/rotary position sensors. The first three chapters provide readers with the necessary background information on sensors. These chapters review: the working definitions and conventions used in sensing technology; the specifications of linear position transducers and sensors and how they affect performance; and sensor output types and communication protocols. The remaining chapters discuss each separate sensor technology in detail. These include resistive sensors, cable extension transducers, capacitive sensors, inductive sensors, LVDT and RVDT

sensors, distributed impedance sensors, Hall Effect sensors, magnetoresistive sensors, magnetostrictive sensors, linear and rotary encoders, and optical triangulation position sensors. Discusses sensor specification, theory of operation, sensor design, and application criteria Reviews the background history of the linear and angular/rotary position sensors as well as the underlying engineering techniques Includes end-of-chapter exercises Position Sensors is written for electrical, mechanical, and material engineers as well as engineering students who are interested in understanding sensor technologies.

Fermentation Processes Engineering in the Food Industry - Carlos Ricardo Soccol 2013-03-27

With the advent of modern tools of molecular biology and genetic engineering and new skills in metabolic engineering and synthetic biology, fermentation technology for industrial applications has developed enormously in recent years. Reflecting these advances, Fermentation Processes Engineering in the Food Industry explores the state of the art of the engineering technology aspects of fermentation processes in diverse food sectors. The book describes the benefits of fermented foods in human health in both dairy and non-dairy products and beverages. It examines applications of microalgae in the food industry and explains the application of metabolic engineering in the production of fermented food ingredients. Exploring a host of important topics in engineering fermentation processes, the book covers topics such as: Methods and techniques for the isolation, improvement, and preservation of the microbial cultures used in the food fermentation industry The fundamentals of fermentation processes, modes of fermentation, and the principles of upstream operation Physical and chemicals factors that affect fermentation processes Different types of fermenters

employed in submerged and solid-state fermentation Unitary operations for solid-liquid separation, concentration, and drying of fermented foods Instrumentation and control of industrial fermentation processes The final chapter discusses the potential application of a biorefinery concept to add value to food industry wastes and presents a case study describing an integrated project in which the concept was applied. An essential reference for all food sector professionals, this volume surveys critical trends in the food, beverage, and additive industry and explores the sustainability of these processes.

Send Down the Rain - Charles Martin 2018-05-08 Can two people brought together by desperate circumstances help one another heal, and maybe even begin a new life? New York Times bestselling author Charles Martin's Send Down the Rain answers the questions of what it means—and what level of sacrifice it takes—to truly love someone. Allie is still recovering from the loss of her family's beloved waterfront restaurant on Florida's Gulf Coast when she loses her second husband to a terrifying highway accident. Devastated and losing hope, she shudders to contemplate the future—until a cherished person from her past returns. Joseph has been adrift for many years, wounded in both body and spirit and unable to come to terms with the trauma of his Vietnam War experiences. Just as he resolves to abandon his search for peace and live alone in a remote cabin in the Carolina mountains, he discovers a mother and her two small children lost in the forest. A man of character and strength, he instinctively steps in to help them get back to their home in Florida. There he will return to his own hometown—and witness the accident that launches a bittersweet reunion with his childhood sweetheart, Allie. When Joseph offers to help Allie rebuild her

restaurant, it seems the flame may reignite—until a forty-five-year-old secret begins to emerge, threatening to destroy all hope for their second chance at love. Send Down the Rain will take you on a journey that spans the sweltering migrant worker routes of south Florida, muddy battlefields of Vietnam, thickets of northwest North Carolina, and the idyllic shores of America's most beautiful beach (Cape San Blas). At the story's center lies the question: What does it mean—and what level of sacrifice does it take—to truly love someone? Praise for Send Down the Rain: "Charles Martin understands the power of story and he uses it to alter the souls and lives of both his characters and his readers."—Patti Callahan Henry, New York Times bestselling author Full-length, stand-alone novel Includes discussion questions for book clubs Also by bestselling author Charles Martin: The Mountain Between Us, Chasing Fireflies, When Crickets Cry, and The Letter Keeper

Design Of Electrical Machines - V. N. Mittle 2005-01-01

Basic Consideration in Design * Electrical Materials * Magnetic Circuit Calculations * Heating and Cooling H Design of Transformers * Review Questions of Transformer Design H Armature Winding for D.C. Machines * Design of D.C. Machines H Design of D.C. Motor Starter H Review Questions in Design of D.C. Machines H A.C. Armature Winding H Design of 3-Phase Induction Motors * Single phase Induction Motors * Review Questions of Induction Motors * Design of Synchronous Machines * Short Questions on Design of Synchronous Machines * Computer Aided Design of Electrical Machines * Design of Lifting Magnets * Viva-voce Questions * Appendix * Standard Specifications and Design Data.

THEORY AND PROBLEMS OF BASIC ELECTRICAL ENGINEERING,, Second Edition - NAGRATH, I. J. 2016-08-19

This comprehensive book with

a blend of theory and solved problems on Basic Electrical Engineering has been updated and upgraded in the Second Edition as per the current needs to cater undergraduate students of all branches of engineering and to all those who are appearing in competitive examinations such as AMIE, GATE and graduate IETE. The text provides a lucid yet exhaustive exposition of the fundamental concepts, techniques and devices in basic electrical engineering through a series of carefully crafted solved examples, multiple choice (objective type) questions and review questions. The book covers, in general, three major areas: electric circuit theory, electric machines, and measurement and instrumentation systems.

Basic Electrical and Electronics Engineering: - S.K. Bhattacharya

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily

Objective Electrical Engineering - P. K. Mishra 2010-09

Electrical Engineering - A. K. Mittal 199?

Fundamentals of Electrical Engineering - Dr. Yaduvir Singh 2010-02

Basic electrical Engineering - Arthur E. Fitzgerald 1945

Electrical Engineering - Allan R. Hambley 2011

For undergraduate introductory or survey courses in electrical engineering. ELECTRICAL ENGINEERING: PRINCIPLES AND APPLICATIONS, 5/e helps students learn electrical-engineering fundamentals with minimal frustration. Its goals are to present basic concepts in a general setting, to show students how the principles of electrical engineering apply to specific problems in their own fields, and to enhance the

overall learning process. Circuit analysis, digital systems, electronics, and electromechanics are covered. A wide variety of pedagogical features stimulate student interest and engender awareness of the material's relevance to their chosen profession.

Electrical Measurements and Measuring Instruments - R. K. Rajput 2009-09

This treatise on the subject Electrical Measurements and Measuring Instruments contains comprehensive treament of the subject matter in simple,lucid and direct language.I covers the syllabi of the various Indian Universities in this subject exhausitively.

ICCCE 2021 - Amit Kumar 2022-06-16

This book is a collection of research articles presented at the 4th International Conference on Communications and Cyber-Physical Engineering (ICCCE 2021), held on April 9 and 10, 2021, at CMR Engineering College, Hyderabad, India. ICCCE is one of the most prestigious conferences conceptualized in the field of networking and communication technology offering in-depth information on the latest developments in voice, data, image, and multimedia. Discussing the latest developments in voice and data communication engineering, cyber-physical systems, network science, communication software, image, and multimedia processing research and applications, as well as communication technologies and other related technologies, it includes contributions from both academia and industry. This book is a valuable resource for scientists, research scholars, and PG students working to formulate their research ideas and find the future directions in these areas. Further, it may serve as a reference work to understand the latest engineering and technologies used by practicing engineers in the field of communication engineering.

ICCCE 2018 - Amit Kumar 2018-08-31

This book comprises selected articles from the International Communications Conference (ICC) 2018 held in Hyderabad, India in 2018. It offers in-depth information on the latest developments in voice-, data-, image- and multimedia processing research and applications, and includes contributions from both academia and industry.

A Textbook of Electrical Technology - Volume IV - BL Theraja 2006

A Textbook of Electrical Technology(Vol. IV)Multicolorpictures have been added to enchance the contenet value and give to the students an idea of what he will be dealing in realityand to bridge the gap between theory and practice.A notable feature is the inclusion of chapter on Flip-Flops and related Devices as per latest development in the subject.Latest tutorial problems and objective type questions specially for GATE have been included at relevant places.

Electrical Machines - S. K. Sahdev 2017-11-24

Offers key concepts of electrical machines embedded with solved examples, review questions, illustrations and open book questions.

Basic Electrical and Electronics Engineering - B. R. Patil 2012

Design of Electrical Machines - K. G. Upadhyay 2011-07

Basic And Applied Thermodynamics - P. K. NAG 2009

Experimentation, Viva-Voice On Electrical Machines - Mittle V.N. 2004-01-01

Fundamentals of Experimentation * Basic Experiments in Electrical Engineering * Fundamentals of D.C. Machine * Experimentation on D.C. Machine * Fundamentals of Transformer * Experimentation on Transformers * Fundamentals of Induction Motor * Experimentation on Induction Motors * Fundamentals of Synchronous Machine * Experimentation on

Synchronous Machines * Viva-Voce Questions (with answer) on Fundamentals of Electrical Engineering * Viva-voce Questions on D.C. Machines * Viva-voce Questions on Transformer * Viva-voce Questions on Induction Motor * Viva-voce Questions on Synchronous Machines
Basic Electrical Engineering - C. L. Wadhwa 2007-01-01

Basic Electrical and Electronics Engineering - R.K. Rajput 2007

Basics of Electrical Electronics and Communication Engineering - Dr. K. A. Navas 2010-08-01
The book is written per the syllabus of first year engineering degree course for various universities. It covers basic topics of electrical, electronics and communication engineering. It also includes worked out examples, University examination questions and answers, exercise, etc in every chapter. This book is suitable for course in basic electrical and electronics engineering under various Universities. Authors have tried to elucidate the topics in such a way that even a mediocre student can assimilate them. Many solved problems, sample question papers and exercise given in every section will provide a thorough understanding of the topics. Other features include attractive writing style, well structured equations and numerical examples, pictures of high clarity, etc. This book is one among prescribed textbooks for the syllabus of BIT, Mesra, Ranchi.